## **WEST Search History**

DATE: Thursday, November 14, 2002

| Set Name<br>side by side |   | Hit Count | Set Name<br>result set |
|--------------------------|---|-----------|------------------------|
| DB=US                    | SPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ          |           |                        |
| L43                      | 19 and 117  | 0         | L43                    |
| L42                      | 19 and 111  | 1         | L42                    |
| L41                      | 14 and 114  | 0         | L41                    |
| L40                      | L39 and retro-reflect\$3                                | 15        | L40                    |
| L39                      | L38 and (calibrat\$3 or (lateral near3 displac\$4))     | 15        | L39                    |
| L38                      | L37 and 15  | 34        | L38                    |
| L37                      | 110 and 114   | 87        | L37                    |
| L36                      | 135 and 15  | 2         | L36                    |
| L35                      | L33 and 111   | 2         | L35                    |
| L34                      | L33 and 113   | 0         | L34                    |
| L33                      | L31 and l14   | 45        | L33                    |
| L32                      | 117 and 122   | 0         | L32                    |
| L31                      | 17 and l22  | 162       | L31                    |
| L30                      | L29 and (calibrat\$3 or (lateral near3 displac\$4))     | 9         | L30                    |
| L29                      | L28 and tilt\$4   | 14        | L29                    |
| L28                      | L27 and 15  | 34        | L28                    |
| L27                      | 110 and 114   | 87        | L27                    |
| L26                      | (L24 or l20)and 19                                      | 1         | L26                    |
| L25                      | (L24 or l20)and 110                                     | 1         | L25                    |
| L24                      | 123 and tilt\$4   | 3         | L24                    |
| L23                      | L22 and 119   | 3         | L23                    |
| L22                      | abbe near2 ( error or arm)                              | 257       | L22                    |
| L21                      | L20 and (18 or 19)                                      | 1         | L21                    |
| L20                      | L19 and 17  | 4         | L20                    |
| L19                      | L15 and 15  | 12        | L19                    |
| L18                      | 115 and L17   | 0         | L18                    |
| L17                      | calibrat\$3 same (lateral near3 displac\$4)             | 12        | L17                    |
| L16                      | L15 and l4  | 0         | L16                    |
| L15                      | 11 and 13   | 126       | L15                    |
| L14                      | lithograph\$2   | 69945     | L14                    |
| L13                      | (measur\$5 near3 displac\$5) with (reference adj point) | 282       | L13                    |

| L12 | (measur\$5 near3 diplac\$5) with (reference adj point)  | 0     | L12 |
|-----|---|-------|-----|
| L11 | (measur\$5 near2 beam) same (parallel near4 incident)   | 115   | L11 |
| L10 | (ligth near2 guide) or retro-reflect\$3   | 3018  | L10 |
| L9  | (reference adj point) same (diffract\$3 near3 grat\$3)  | 27    | L9  |
| L8  | (reference adj point) with (diffract\$3 near3 grat\$3)  | 13    | L8  |
| L7  | (detect\$3 or monitor\$3) with ((position or locat\$3) near4 (diffract\$3 or grat\$3))                          | 1863  | L7  |
| L6  | (diffract\$3 near3 grat\$3)with (laser or light or illuminat\$3)  | 16885 | L6  |
| L5  | (diffract\$3 near3 grat\$3)   | 26092 | L5  |
| L4  | calibrat\$3 with (lateral near3 displac\$4)   | 7     | L4  |
| L3  | tilt\$4 with ((holder or support or table or platform)near4 (object or target or substrate or wafer or holder)) | 2297  | L3  |
| L2  | tilt\$4 near4 (reticle or mask)   | 633   | L2  |
| Ll  | (mov\$4 or translat\$3) near4 (reticle or mask)   | 11736 | L1  |
|     |   |       |     |

END OF SEARCH HISTORY

|   | Туре | L # | Hits | Search Text | DBs  | Time Stamp          |
|---|------|-----|------|-------------|--|---------------------|
| 1 | BRS  | L1  | 5    | "5917604"   | USPAT, US-PGI UB; EPO; JPO; DERWEN T; IBM_TI B                         | 2002/11/14<br>15:45 |
| 2 | BRS  | L2  | 2    | 5917604.PN. | USPAT;<br>US-PGE<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD      | 2002/11/14<br>15:46 |
| 3 | BRS  | L3  | 2    | 5831739.PN. | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B | 2002/11/14<br>15:47 |
| 4 | BRS  | L4  | 2    | 6320658.PN. | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B                         | 2002/11/14<br>15:47 |
| 5 | BRS  | L5  | 3    | 5859707.PN. | USPAT; US-PGP UB; EPO; JPO; DERWEN I; IBM_TD B                         | 2002/11/14          |

|   | Comments | Error | Definition | Err |
|---|----------|-------|------------|-----|
| 1 |          |       |            | 0   |
| 2 |          |       |            | 0   |
| 3 |          |       |            | 0   |
| 4 |          |       |            | 0   |
| 5 |          |       |            | 0   |

|    | Туре | L #   | Hits | Search Text        | DBs  | Time Stamp          |
|----|------|-------|------|--------------------|--|---------------------|
| 6  | BRS  | L6    | 0    | 2002/0018192.PN.   | USPAT; US-PGE UB; EPO; JPO; DERWEN T; IBM_TE   | 2002/11/14<br>15:48 |
| 7  | BRS  | L7    | О    | 2002/0018192A1.PN. | USPAT; US-PGF UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/11/14<br>15:48 |
| 8  | BRS  | L8    | 0    | 0018192A1.PN.      | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/11/14<br>15:48 |
| 9  | BRS  | L9    | 2    | 6331885.PN.        | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/11/14          |
| 10 | BRS  | L10 . | 2    | 6414743.PN.        | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/11/14<br>15:49 |

|    | Comments | Error | Definition | Err |
|----|----------|-------|------------|-----|
| 6  |          |       |            | 0   |
| 7  |          |       |            | О   |
| 8  |          |       |            | 0   |
| 9  |          |       |            | 0   |
| 10 |          |       |            | 0   |

|    | Туре | L # | Hits        | Search Text   | DBs  | Time Stamp          |
|----|------|-----|-------------|---|--|---------------------|
| 11 | BRS  | L11 | 0           | 2001/0043321.PN.  | USPAT; US-PGI UB; EPO; JPO; DERWEN T; IBM_TI B                         | 2002/11/14<br>15:49 |
| 12 | BRS  | L12 | O           | 2001/0043321A1.PN.                                      | USPAT; US-PGE UB; EPO; JPO; DERWEN T; IBM_TD                           | 2002/11/14<br>15:49 |
| 13 | BRS  | L13 | 118079<br>2 | 2001/0043321 A1.PN.                                     | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B                         | 2002/11/14<br>15:50 |
| 14 | BRS  | L14 | 13          | or L10  | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B | 2002/11/14          |
| 15 | BRS  | L15 | 2           | L14 and ((corner adj cube)<br>or (retro adj reflector)) | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B                         | 2002/11/14<br>16:18 |

|    | Comments | Error | Definition | Err |
|----|----------|-------|------------|-----|
| 11 |          |       |            | 0   |
| 12 |          |       |            | 0   |
| 13 |          |       |            | 0   |
| 14 |          |       |            | 0   |
| 15 |          |       |            |     |

|    | Туре | L # | Hits | Search Text  | DBs  | Time Stamp          |
|----|------|-----|------|--|--|---------------------|
| 16 | BRS  | L16 | 0    | L14 and (((corner adj cube)<br>or (retro adj reflector))<br>SAME (DIFFRACTION ADJ<br>GRATING)) | JPO:   | 2002/11/14<br>16:00 |
| 17 | BRS  | L17 | О    | L14 and ((DIFFRACTION ADJ<br>GRATING) same (tilt with<br>displacement))                        | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B | 2002/11/14<br>16:01 |
| 18 | BRS  | L18 | 0    | L14 and (DIFFRACTION same (tilt with displacement))  | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B                         | 2002/11/14<br>16:19 |
| 19 | BRS  | L19 | 1    | L14 and (DIFFRACTION same<br>tilt)   | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B                         | 2002/11/14          |
| 20 | BRS  | L20 |      | L14 and (DIFFRACTION same tilt)  | DERWEN<br>F;<br>[BM_TD   | 2002/11/14<br>16:08 |

|    | Comments | Error | Definition | Err |
|----|----------|-------|------------|-----|
| 16 |          |       |            | 0   |
| 17 |          |       |            | 0   |
| 18 |          |       |            | 0   |
| 19 |          |       |            | O   |
| 20 |          |       |            | 0   |

|    | Туре | L # | Hits | Search Text  | DBs  | Time Stamp          |
|----|------|-----|------|--|--|---------------------|
| 21 | BRS  | L21 | 0    | L14 and (transmi\$6 near4 (diffraction adj grating)) | USPAT<br>US-PGI<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TI       | 2002/11/14<br>16:09 |
| 22 | BRS  | L22 | 1736 | (transmi\$6 near4 (diffraction adj grating))         | USPAT;<br>US-PGE<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TC      | 2002/11/14<br>16:10 |
| 23 | BRS  | L23 | 218  |  | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B | 2002/11/14<br>16:11 |
| 24 | BRS  | L24 | 66   | (tilt adj angle) near<br>displacement                | USPAT;<br>US-PGP<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TD<br>B | 2002/11/14<br>16:12 |
| 25 | BRS  | L25 | 3    | L22 and L23  | USPAT; US-PGP UB; EPO; JPO; DERWEN I; IBM_TD 3                         | 2002/11/14<br>16:15 |

|    | Comments | Error | Definition | Err |
|----|----------|-------|------------|-----|
| 21 |          |       |            | 0   |
| 22 |          |       |            | 0   |
| 23 |          |       |            | O   |
| 24 |          |       |            | O   |
| 25 |          |       | C          | )   |

|    | Туре | L # | Hits | Search Text   | DBs   | Time Stamp          |
|----|------|-----|------|---|---|---------------------|
| 26 | BRS  | L26 | 0    | L22 and L24   | USPAT<br>US-PGI<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TI  | 2002/11/14<br>16:12 |
| 27 | BRS  | L28 | 3    | L25 not L27   | USPAT;<br>US-PGE<br>UB;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TC | 2002/11/14<br>16:13 |
| 28 | BRS  | L27 | 1    | L23 and L24   | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B                    | 2002/11/14<br>16:16 |
| 29 | BRS  | L29 |      | L5 and ((corner adj cube) or (retro adj reflector)) | DERWEN<br>F;<br>IBM_TD  | 2002/11/14<br>16:18 |
| 30 | BRS  | L30 | 0    | L5 and (DIFFRACTION same (tilt with displacement))  | ERWEN<br>;<br>BM_TD   | 2002/11/14<br>16:19 |

|    | Comments | Error Definition | Err |
|----|----------|------------------|-----|
| 26 |          |                  | 0   |
| 27 |          |                  | O   |
| 28 |          |                  | 0   |
| 29 |          |                  | )   |
| 30 |          | C                |     |